

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Frough Sherwani

GENERAL INFORMATION:

Name:	Progress Rail Raceland Corporation
Address:	Stewart Avenue at Old US 23 Raceland, KY 41169
Date application received:	8/21/2007
SIC Code/SIC description:	4789, Transportation Services, Not Elsewhere Classified
Source ID:	21-089-00004
Agency Interest:	1608
Activity:	APE20070003
Permit:	F-07-056

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

**EMISSIONS SUMMARY:**

<b>Pollutant</b>	<b>POTENTIAL EMISSIONS (TPY)</b>	<b>ACTUAL EMISSIONS (TPY)<sup>1</sup></b>	<b>ALLOWABLE EMISSION (TPY)</b>
<b>PM/PM<sub>10</sub></b>	2.49	0.02335	NA
<b>SO<sub>2</sub></b>	0.2172	-	NA
<b>NO<sub>x</sub></b>	22.7795	-	NA
<b>CO</b>	19.5217	-	NA
<b>VOC*</b>	189.64	27.6126	90.0
<b>Toluene**</b>	23.5377	-	9.0
<b>Ethylbenzene**</b>	1.5056	-	9.0
<b>MIBK**</b>	1.3210	-	9.0
<b>Xylene**</b>	6.5139	0.0133403	9.0
<b>Cumene**</b>	0.9976	-	9.0
<b>Source wide HAPs***</b>	33.8758	0.0133403	22.5

1 Actual emissions are from the Kentucky Division for Air Quality's 2006 Emissions Inventory report.

\* The source has accepted a facility-wide cap on annual VOC emissions of no more than 90 tons per rolling 12-month period

\*\* The source has accepted a facility-wide cap on annual individual HAP emission of no more than 9.0 tons per rolling 12-month period

\*\*\* The source has accepted a facility-wide cap on annual combined HAPS emissions of no more than 22.5 tons per rolling 12-month period

**SOURCE DESCRIPTION:**

The source operates Railcars Shop in Raceland, KY. The primary purpose of this shop is to refurbish railcars and wheel assemblies. The car shop includes an abrasive blasting operation (Emission Point # 07), and a surface coating operation consisting of a paint spray booth (Emission Point # 03). There are 31 natural gas fired space heaters ranging from 0.075–0.5MMBtu/hr, four (4) 10MMBtu/hr each natural gas fired open flame heaters and 16 propane fired 1.1MMBtu/hr torches. There are several insignificant activities at the source which are listed in Section C of the permit.

## **EMISSION AND OPERATING CAPS DESCRIPTION:**

- a. The source has accepted a facility-wide cap on annual VOC emissions of no more than 90 tons per rolling 12-month period. Compliance with this allowable will be demonstrated by record keeping and emissions estimating methodology specified in the terms and conditions of the permit.
- b. The source has accepted a facility-wide cap on annual individual HAP emission of no more than 9.0 tons per rolling 12-month period. Compliance with this allowable will be demonstrated by record keeping and emissions estimating methodology specified in the terms and conditions of the permit.
- c. The source has accepted a facility-wide cap on annual combined HAPS emissions of no more than 22.5 tons per rolling 12-month period. Compliance with this allowable will be demonstrated by record keeping and emissions estimating methodology specified in the terms and conditions of the permit.
- d. The permittee shall not cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility (s) which is equal to or greater than twenty (20) percent opacity.
- e. For emission from a control device or stack, no person shall cause, suffer, allow or permit the emission in to the open air of particulate matter (PM) from any affected facility which in excess of 2.34 lb/hr.
- f. The affected facility shall be exempt from Section 3 of this administrative regulation if the VOC content of the coating is less than 0.42 kg/l of coating (three and five-tenths (3.5) lb/gal), excluding water or exempt solvent or both, delivered to the applicators associated with air or forced air-dried items or items subject to outdoor or harsh exposure or extreme environmental conditions.